Group Art No.: 1625

## **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1. (Currently amended): A compound of formula (I) or a pharmaceutically acceptable salt thereof:

$$(R_3)_p$$

$$(R_1)_m$$

$$R_2$$

$$(I)$$

wherein:

R<sub>1</sub> is hydrogen, hydroxy, fluoro, chloro, C<sub>1-6</sub>alkyl, C<sub>3-7</sub>cycloalkyl, C<sub>3-7</sub>cycloalkyloxy, C<sub>1-6</sub>alkoxy or haloC<sub>1-6</sub>alkoxy;

m is 0 when is a double bond and m is 1 when is a single bond; R<sub>2</sub> is hydrogen, halogen, cyano, nitro, C<sub>1-6</sub>alkyl, C<sub>3-7</sub>cycloalkyl, C<sub>3-7</sub>cycloalkyloxy, haloC<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, haloC<sub>1-6</sub>alkylthio, amino, mono- or di-C<sub>1</sub>-6alkylamino or an N-linked 4 to 7 membered heterocyclic group; X is -(CH<sub>2</sub>-CH<sub>2</sub>), -(CH=CH), -(CH<sub>2</sub>)<sub>3</sub>, -C(CH<sub>3</sub>)<sub>2</sub>, -(CH=CH-CH<sub>2</sub>), -(CH<sub>2</sub>-CH<sub>2</sub>-CH=CH) or a group -(CHR<sub>5</sub>)- wherein R<sub>5</sub> is hydrogen, halogen, hydroxy, cyano, nitro, C<sub>1-6</sub>alkyl, C<sub>3-7</sub>cycloalkyl, C<sub>3-7</sub>cycloalkyloxy, haloC<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, haloC<sub>1-6</sub>alkoxy or C<sub>1</sub>-6alkylthio;

R<sub>3</sub> is halogen, cyano, C<sub>1-6</sub>alkyl, C<sub>3-7</sub>cycloalkyl, C<sub>3-7</sub>cycloalkyloxy, C<sub>1-6</sub>alkoxy, C<sub>1-6</sub>alkylthio, hydroxy, amino, mono- or di-C<sub>1-6</sub>alkylamino, an N-linked 4 to 7 membered heterocyclic group, nitro, haloC<sub>1-6</sub>alkyl, haloC<sub>1-6</sub>alkoxy, aryl, arylC<sub>1-6</sub>alkyl, arylC<sub>1-6</sub>alkyloxy, arylC<sub>1-6</sub>alkylthio or COOR<sub>6</sub>, CONR<sub>7</sub>R<sub>8</sub> or COR<sub>9</sub> wherein R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub> and R<sub>9</sub> are independently hydrogen or C<sub>1-6</sub>alkyl; p is 0, 1 or 2 or 3;

R4 is hydrogen, halogen, hydroxy, cyano, nitro, C<sub>1</sub>\_6alkyl, C<sub>1</sub>\_6alkanoyl, C<sub>3</sub>\_7eycloalkyloxy, haloC<sub>1</sub>\_6alkyl, or C<sub>1</sub>\_6alkoxy, haloC<sub>1</sub>\_6alkoxy,

Group Art No.: 1625

C<sub>1</sub>-6alkylthio, amino, mono- or di-C<sub>1</sub>-6alkylamino or an N-linked 4 to 7 membered heterocyclic group;

Y is oxygen, sulfur, -CH<sub>2</sub>- or NR<sub>10</sub> wherein R<sub>10</sub> is hydrogen or C<sub>1-6</sub>alkyl; D is a single bond, -CH<sub>2</sub>-, -(CH<sub>2</sub>)<sub>2</sub>- or -CH=CH-; and Z is an optionally substituted C-linked 4 to 7 membered heterocyclic group containing at least one nitrogen, an optionally substituted N-linked 4 to 7 membered heterocyclic group, or Z is -NR<sub>11</sub>R<sub>12</sub> where R<sub>11</sub> and R<sub>12</sub> are independently hydrogen or C<sub>1-6</sub>alkyl.

- 2. (Original): A compound as claimed in claim 1, wherein X is -CH<sub>2</sub>-.
- 3. (Previously presented): A compound as claimed in claim 1, wherein when is a single bond, R<sub>1</sub> is hydrogen, hydroxy or C<sub>1-6</sub>alkoxy.
- 4. (Previously presented): A compound as claimed in claim 1 having the following formula (Ia):

$$(R_3)_p$$

$$(Ia)$$

wherein  $R_3$ , p,  $R_4$ , Y, D, Z, are as defined in claim 1 and  $X_1$  is -CH<sub>2</sub>- or -HC(OH)-.

- 5. (Currently amended): A compound as claimed in claim 1, wherein p is 1 or 2 and R<sub>3</sub> is/are halogen, particularly chloro or fluoro, attached at the 3 or the 3,4-positions of the phenyl ring.
- 6. (Currently amended): A compound as claimed in claim 1, wherein R<sub>4</sub> is C<sub>1\_6</sub>alkoxy (particularly methoxy), OCF<sub>3</sub>, halogen or cyano.

Group Art No.: 1625

7. (Previously presented): A compound as claimed in claim 1 wherein D is -CH<sub>2</sub>-.

- 8. (Previously presented): A compound as claimed in claim 1, wherein Y is oxygen.
- 9. (Previously presented): A compound as claimed in claim 1, wherein Z is an optionally substituted N-linked 4 to 7 membered heterocyclic group.
- 10. (Previously presented): A compound as claimed in claim 9, wherein Z is piperidyl.
  - 11. (Currently amended): A compound as claimed in claim 1 which is:
- 3-(3,4-Dichloro-phenyl)-3-hydroxy-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-pyrrolidin-2-one;
- 3-(3,4-Dichloro-phenyl)-3-hydroxy-1-[4-methoxy-3-(2-morpholin-4-yl-ethoxy)-phenyl]-pyrrolidin-2-one;
- 3-(3,4-Dichloro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-pyrrolidin-2-one;
- 1-[4-Chloro-3-(2-piperidin-1-yl-ethoxy)-phenyl]-3-(3,4-dichloro-phenyl)-pyrrolidin-2-one;
- 1-[4-Chloro-3-(2-piperidin-1-yl-ethoxy)-phenyl]-3-(3,4-dichloro-phenyl)-3-hydroxy-pyrrolidin-2-one;
- 3-(3,4-Dichloro-phenyl)-1-(4-methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl)-pyrrolidin-2-one;
- 3-(3,4-Dichloro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-1,5-dihydro-pyrrol-2-one;
- 3-(3,4-Dichloro-phenyl)-1-[4-methoxy-3-(2-morpholin-4-yl-ethoxy)-phenyl]-1,5-dihydro-pyrrol-2-one;

Group Art No.: 1625

- 1-[4-Chloro-3-(2-piperidin-1-yl-ethoxy)-phenyl]-3-(3,4-dichloro-phenyl)-1,5-dihydro-pyrrol-2-one;
- 3-(3,4-Dichloro-phenyl)-1-[4-methoxy-3-(2-pyrrolidin-1-yl-ethoxy)-phenyl]-1,5-dihydro-pyrrol-2-one;
- 3-(3-Fluoro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-1,5-dihydro-pyrrol-2-one;
- 3-(3,4-Dichloro-phenyl)-1-(-3-[2-(4,4-difluoro-piperidin-1-yl)-ethoxy]-4-methoxy-phenyl)-1,5-dihydro-pyrrol-2-one;
- 3-(3-Fluoro-phenyl)-5-hydroxy-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-pyrrolidin-2-one;
- 1-[4-Chloro-3-(2-piperidin-1-yl-ethoxy)-phenyl]-3-(3,4-dichloro-phenyl)-5-hydroxy-pyrrolidin-2-one;
- 3-(3,4-Dichloro-phenyl)-1-(-3-[2-(4,4-difluoro-piperidin-1-yl)-ethoxy]-4-methoxy-phenyl)-5-hydroxy-pyrrolidin-2-one;
- 3-(3-Fluoro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-pyrrolidin-2-one;
- 3-(3,4-Dichloro-phenyl)-1-[4-methoxy-3-(2-pyrrolidin-1-yl-ethoxy)-phenyl]-pyrrolidin-2-one;
- 3-(3,4-Dichloro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-3-methyl-pyrrolidin-2-one hydrochloride salt;
- 3-(3-Chloro-phenyl)-1-{4-methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl}-1,5-dihydro-pyrrol-2-one hydrochloride salt;
- 3-(3,4-Dichloro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-3,4-dihydro-1H-pyridin-2-one;
- 3-(3,4-Dichloro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-piperidin-2-one;
- 3-(3,4-Dichloro-phenyl)-1-(4-methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl)-3,4-dihydro-pyrrol-2-one;
- 3-(3,4-Dichloro-phenyl)-1-(4-methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl)-4-methyl-1,5-dihydro-pyrrol-2-one;
- 3-(4-Chloro-phenyl)-1-(4-methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl)-3,4-dihydro-pyrrol-2-one;

Group Art No.: 1625

- 3-(4-Chloro-phenyl)-1-(4-methoxy-3-[2-piperidin-1-yl)-ethoxy]-phenyl)-3,4-dihydro-pyrrol-2-one;
- 3-(3,4-Dichloro-phenyl)-1-[4-methoxy-3-(piperidin-3-ylmethoxy)-phenyl]-pyrrolidin-one;
- 3-(3,4-Dichloro-phenyl)-1-[4-methoxy-3-(1-methyl-piperidin-3-ylmethoxy)-phenyl]-pyrrolidin-one;
- *N*-{4-[3-(3,4-dichlorophenyl)-2-oxo-2,5-dihydro-1*H*-pyrrol-1-yl]-2-[2-(1-piperidinyl)ethoxy]phenyl}acetamide;
- *N*-{4-[3-(3,4-dichlorophenyl)-2-oxo-pyrrolidin-1-yl]-2-[2-(1-piperidinyl)ethoxy]phenyl}acetamide;
- 3-(3,4-Dichloro-phenyl)-1-{4-methoxy-3-[2-(4-methyl)-piperidin-1-yl-ethoxy]-phenyl}-3-methyl-pyrrolidin-2-one;
- 3-(3-Chloro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-pyrrolidin-2-one;
- 3-(3-Trifluoromethyl-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-pyrrolidin-2-one;
- 3-(3-Trifluoromethyl-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-1,5-dihydro-pyrrol-2-one;
- 3-(3-Chloro-phenyl)-5-methoxy-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-pyrrolidin-2-one;
- 3-(3-Chloro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-1,5-dihydro-pyrrol-2-one;
- 3-(4-Fluoro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-1,5-dihydro-pyrrol-2-one;
- 3-(4-Fluoro-phenyl)-1-[4-methoxy-3-(2-piperidin-1-yl-ethoxy)-phenyl]-pyrrolidin-2-one;
- 1-{4-Methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl}-3-(4-methyl-phenyl)-1,5-dihydro-pyrrol-2-one;
- 1-{4-Methoxy-3-[2-(piperidin-1-yl)-ethoxy]-phenyl}-3-(4-methyl-phenyl)-1,5-dihydro-pyrrol-2-one;
- 3-(4-Bromo-phenyl)-1-{4-methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl}-1,5-dihydro-pyrrol-2-one;

Group Art No.: 1625

1-{4-Methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl}-3-(4-trifluoromethyl-phenyl)-1,5-dihydro-pyrrol-2-one;

3-(2-Chloro-phenyl)-1-{4-methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl}-1,5-dihydro-pyrrol-2-one;

3-(3,4-Dichloro-phenyl)-3-hydroxy-1-{4-methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl}-pyrrolidin-2-one;

3-(3,4-Dichloro-phenyl)-3-fluoro-1-{4-methoxy-3-[2-(4-methyl-piperidin-1-yl)-ethoxy]-phenyl}-pyrrolidin-2-one;

3-(3,4-Dichloro-phenyl)-1-{4-methoxy-3-[(1-methyl-pyrrolidin-2-yl)-methoxy]-phenyl}-pyrrolidin-2-one;

3-(3,4-Dichloro-phenyl)-1-{4-methoxy-3-[(1-methyl-pyrrolidin-2-yl)-methoxy]-phenyl}-3,4-dihydro-pyrrol-2-one;

or a pharmaceutically acceptable salt thereof.

12. (Currently amended): A process for the preparation of a compound as defined in claim 1, which process comprises:

## (a) reacting a compound of formula (II):

$$(R_3)_p$$
 $(R_1)_m$ 
 $(II)$ 

wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ , m, p, X, and D are as defined for formula (I), and L is a leaving group, with a compound of formula (III):

Z-H

(III)

Group Art No.: 1625

wherein Z is as defined for formula (I); or

(b) cyclising a compound of formula (IV):

$$(R_3)_p$$

$$(R_1)_m$$

$$G$$

$$(IV)$$

wherein R<sub>1</sub>, R<sub>2</sub>, m, R<sub>3</sub>, p, R<sub>4</sub>, Y, D, Z and are as defined for formula (I) and G is a group -X=CH<sub>2</sub>, wherein X is as defined for formula (I), dehydrogenated as required;

optionally followed by:

- removing any protecting groups; and/or
- converting [[a]] the compound of formula (I) into another compound of formula (I); and/or
- forming a pharmaceutically acceptable salt.
- 13. (Currently amended): A pharmaceutical composition comprising [[a]] the compound or salt as defined in claim 1 and a pharmaceutically acceptable carrier or excipient.
- 14. (Currently amended): A process for preparing a pharmaceutical composition as defined in claim 13, the process comprising mixing a compound a the compound or salt as defined in claim 1 and a pharmaceutically acceptable carrier or excipient.

Claims 15-18 (Canceled).

Group Art No.: 1625

19. (Currently amended): A method of treatment of depression and or anxiety in a mammal including a human, which comprises administering to [[the]] a sufferer a therapeutically safe and effective amount of [[a]] the compound or salt as defined in claim 1.

Claims 20-21 (Canceled).

22. (New): A method of treatment of depression which comprises administering to a sufferer a therapeutically effective amount of a pharmaceutical composition comprising the compound or salt as defined in claim 1 and another compound which is a selective serotonin reuptake inhibitor or a noradrenaline reuptake inhibitor.